

FIGURE 1

**Human JAM-1:** 299 amino acids.

MGTKAQVERKLLCLFILAILLCSLALGSVTVHSSEPEVRIPENNPVKLSCAYSGFSSP  
RVEWKFDQGDTTRLVCYNNKITASYEDRVTFELPTGITFKSVTREDTGTYTCMVS  
EEGGNSYGEVKVKLIVLVPPSKPTVNIPSSATIGNRAVLTCSEQDGSPSEYTW  
KDGIVMPTNPKSTRAFSNSSYVLNPTTGELVFDPLSASDTGEYSCEARNGYGTPM  
TSNAVRMEAVERNVGVIVA AVLVTLLLGILVFGIWFAYSRGHFDRTKKGTSSKKVI  
YSQPSARSEGEFKQTSSFLV (SEQ ID NO: 887)

FIGURE 2

**Human JAM-2:** 310 amino acids.

MALRRPPRLRLCARLPDFFLLLLFRGCLIGAVNLKSSNRTPVVOEFESVELSCIITDS  
QTSDPRIEWKKIQDEQTTYVFFDNKIQGDLAGRAEILGKTSLSKIWNVTRRDSAL  
YRCEVVARNDRKEIDEIVIELTVQVKPVPVPCRVPKAVPVGKMATLHCOESEGH  
PRPHYSWYRNDVPLPTDSRANPRFRNSSFHLSNETGTLVFTAVHKDDSGQYYCI  
ASNDAGSARCEEQEMEVYDLNIGGIIGGVLVVLAVLALITLGICCA YRRGYFINNKQ  
DGESYKNPGKPDGVNYIRTDEEGDFRHKSSFVI (SEQ ID NO: 888)

FIGURE 3

**Human JAM-3:** 298 amino acids.

MARRSRHRLLLLLLRYLVVALGYHKAYGFSAPKDQOVVTAVEYQEAILACKTPK  
KTVSSRLEWKKLGRSVSFVYYQOTLQGD FKNRAEMIDFNIRIKNVTRSDAGKYR  
CEVSAPSEQGQNLEEDTVTLEVLVAPVPSCEVPSSALSGTVVELRCODKEGNP  
APEYTWFKDGIRLLENPRLGSQSTNSSYTMNTKTGTLOFNTVSKLDTGEYSCEA  
RNSVGYRRCPGKRMQVDDLNISGIIAAVVVVVALVISVCGLGV CYAQRKGYFSKETS  
FQKSNSSSKATTMSENDFKHTKSFII (SEQ ID NO: 889)

FIGURE 4

**Human Claudin-1:** XM\_003151 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 211 amino acids

MANAGLQLLGFI LAFLGWIGAI VSTALPQWRIYSYAGDNIVTAQAMYEG LWMSCV  
SQSTGOIQCKVFDSLNLSSTLQATRALMVVGILLGVIAIFVATVGMKCMKCLEDD  
EVQKMRMAVIGGAIFLLAGLAILVATAWYGNRIVQEFYDPMTPVNARYEFGQALF  
TGWAAASLCLLGGALLCCSCPRKTTSYTPRYPKPAPSSGKD YV (SEQ ID NO: 890)

## FIGURE 5

**Human Claudin-2:** XM\_010309 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 230 amino acids  
 MASLGLQLVGYILGLLGLLGTLVAMLLPSWKTSSYVGASIVTAVGFSKGLWMECA  
THSTGITQCDIYSTLLGLPADIQAAQAMMVTSSAIISSLACIISVVGMRCTVFCQESR  
 AKDRVAVAGGVFFILGLLGFIPVAWNHGHILRDFYSPLVPDSMKFEIGEALYLGIIIS  
 SLFSLIAGIILCFSCSSQRNRSNYYDAYQAQPLATRSSPRPGQPPKVKSEFNYSYSLTGY  
 V (SEQ ID NO: 891)

## FIGURE 6

**Human Claudin-3:** XM\_057967 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 220 amino acids  
 MSMGLEITGTALAVLGWLGTIVCCALPMWRVSAFIGSNIITSONIWEGLWMNCVV  
OSTGQMOCKVYDSLLALPODLQAARALIVVAILLAAFGLLVALVGAQCTNCVQD  
 DTAKAKITIVAGVLFLLAALLTLVPVSWSANIIRDFYNPVPVPEAOKREMGAGLYV  
 GWAAAALQLLGGALLCCSCPPREKKYTATKVVSAPRSTGPGASLGTGYDRKDYY  
 (SEQ ID NO: 892)

## FIGURE 7

**Human Claudin-4:** XM\_057966 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 209 amino acids  
 MASMGLQVMGIALAVLGWLAVMLCCALPMWRVTAFIGSNIIVTSQTIWEGLWMN  
CVVOSTGQMOCKVYDSLLALPODLQAARALVIISIIVAALGVLLSVVGGKCTNCLE  
 DESAKAKTMIVAGVVFLLAGLMVIVPVSWTAHNIIODFYNPLVASGOKREMGASL  
 YVGWAASGLLLLGGLLCCNCPPRTDKPYSAKYSAAARSAAASNYV (SEQ ID NO:  
 893)

## FIGURE 8

**Human Claudin-5:** XP\_009839 218 amino acids  
 MGSAALEILGLVLCLVGWGGILACGLPMWQVTAFLDHNIVTAQTTWKGLWMS  
CVVOSTGHMOCKVYDSVLALSTEVOAARALTVSAVLLAFVALFVTLAGAQCCTTC  
 VAPGPAKARVALTGGVLYLFCGLLALVPLCWFANIVVREFYDPSVPVSQKYELGAA  
 LYIGWAATALLMVGGCLCCGAWVCTGRPDLSFPVKYSAPRRPTATGDYDKKNYV  
 (SEQ ID NO: 894)

## FIGURE 9

**Human Claudin 6:** XM\_012518 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 220 amino acids  
 MASAGMQILGVVLTLLGWVNGLVSCALPMWKVTAFIGNSIVVAQVVWEGLWMS  
CVVQSTGQMOCKVYDSLALPODLQAARALCVIALLVALFGLLVYLAGAKCTTC  
 VEEKDSKARLVLTSGIVFVISGVLTLPVCWTAHAVIRDFYNPLVAEAQKRELGASL  
 YLGWAASGLLLLGGGLLCCTCPSGGSQGPSHYMARYSTSAPAISRGPSSEYPTKNYV  
 (SEQ ID NO: 895)

## FIGURE 10

**Human Claudin-7:** O95471....[gi:6685282] 211 amino acids  
 MANSGLQLLGFSMALLGWVGLVACTAIPQWQMSSYAGDNIITAQAMYKGLWMD  
CVTQSTGMMSCCKMYDSVLALSAALQATRALMVVSLVLGFLAMFVATMGMKCTR  
 CGGDDKVKKARIAMGGGIIFIVAGLAALVACSWYGHQIVTDFYNPLIPTNIKYEFGP  
 AFIGWAGSALVILGGALLSCSCPGNESKAGYRAPRSYPKSNSKEYV (SEQ ID NO:  
 896)

## FIGURE 11

**Human Claudin-8:** XM\_009721 (Direct submission to ENTREZ/GenBank database, National Center for Biotechnology Information); 225 amino acids  
 MATHALEIAGLFLGGVGMVGTVAVTVMPPQWRVSAFIENNIVVFENFWEGWLWMN  
CVRQANIRMOCKIYDSLALSPDLQAARGLMCAASVMSFLAFMMAILGMKCTRC  
 TGDNEKVKAHILLTAGIIFIITGMVVLIPVSWVANAIIRDFYNSIVNVAQKRELGEAL  
 YLGWTTALVLIVGGALFCCVFCNEKSSSYRYSIPSHRTTQKSYHTGKKSPSVYSRSQ  
 YV (SEQ ID NO: 897)

## FIGURE 12

**Human Claudin-9:** NP\_066192 217 amino acids  
 MASTGLELLGMTLAVLGWLGTLVSCALPLWKVTAFIGNSIVVAQVVWEGLWMS  
CVVQSTGQMOCKVYDSLALPODLQAARALCVIALLLALLGLLVAITGAQCTTCVE  
 DEGAARIVLTAGVILLLAGILVLIPVCWTAHAHQDFYNPLVAEALKRELGASLYL  
 GWAAAALLMLGGGLLCCTCPPPQVERPRGPRLGYSIPSRSGASGLDKRDYV (SEQ ID  
 NO: 898)

**FIGURE 13****Human Claudin-10:** XM 007076 228 amino acids

MASTASEIIAFMVSISGWVLVSSTLPTDYWKVSTIDGTVITTATYWANLWKACVTD  
STGVSNCKDFPSMLALDGYIQACRGLMIAAVSLGFFGSIFALFGMKCTKVGGSDKA  
KAKIACLAGIVFILSGLCSMTGCSLYANKITTEFFDPLFVEQKYELGAALFIGWAGAS  
LCIIGGVIFCFSISDNNKTPRYTYNGATSVMSRRTKYHGGEDFKTTNPSKQFDKNAYV  
(SEQ ID NO: 899)

**FIGURE 14****Human Occludin:** U49184; 522 amino acids.

MSSRPLESPPPYRPDEFKPNHYAPSNDIYGGEMHVRPMLSQPAYSFYPEDEILHFYKW  
TSPPGVIRILSMLIIVMCIAIFACVASTLAWDRGYGTSLLGGSVGYPGSGSGFSYG  
SGYGYGYGYGYGYGGYTDPRAAKGFMLAMAAFCFIAALVIFVTSVIRSEMSRTRR  
YYLSVIIVSAILGIMVFIATIVYIMGVNPTAOSSGSLYGSQIYALCNOFYTPAATGLY  
VDQYLYHYCVVDPOEAIAIVLGFMIIVAFALIIFFAVKTRRKMDRYDKSNILWDKEH  
IYDEQPPNVEEWVKNVSAGTQDVSPSPSDYVERVDSPMAYSSNGKVNDKRFYPRESS  
YKSTPVPEVVQELPLTSPVDDFRQPRYSSGGNFETPSKRAPAKGRAGRSKRTEQDHY  
ETDYTTGGESCDLEEDWIREYPPITSDQQRQLYKRNFDGLQEYKSLQSELDEINKE  
LSRLDKELDDYREESEEYMAAADEYNRLKQVKGSADYKSKKNHCKQLKSKLSHIK  
KMGVDYDRQKT (SEQ ID NO: 900)